

Comparisons of Job Characteristics

Focus Occupation: [Power Plant Operators \(51-8013\)](#)

Associated Occupation: [Power Distributors and Dispatchers \(51-8012\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 57

Focus Occupation: Power Plant Operators (51-8013)

Associated Occupation: Power Distributors and Dispatchers (51-8012)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Public Safety and Security	6.9	14.1	9.7	<< Extensive education and/or training may be required
Telecommunications	3.9	8.2	4.5	<< Extensive education and/or training may be required
Physics	4.3	7.6	9.3	> Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 63

Focus Occupation: Power Plant Operators (51-8013)

Associated Occupation: Power Distributors and Dispatchers (51-8012)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Complex Problem Solving	9.1	11.4	8.6	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	10.8	12.7	> Skill level is likely sufficient
Time Management	8.9	10.2	6.9	<< Extensive development of skills in this area may be required
Management of Personnel Resources	6.9	8.8	5.7	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Power Plant Operators (51-8013)
Associated Occupation: Power Distributors and Dispatchers (51-8012)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Problem Sensitivity	11.1	13.4	11.0	<	Some improvement in abilities may be required
Written Expression	9.8	11.9	9.6	<	Some improvement in abilities may be required
Information Ordering	9.9	10.8	9.8	<	Some improvement in abilities may be required
Perceptual Speed	7.4	10.0	10.7	0	Current ability level may be sufficient
Flexibility of Closure	7.8	9.1	9.2	0	Current ability level may be sufficient
Speed of Closure	5.9	7.0	5.1	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 96

Focus Occupation: Power Plant Operators (51-8013)
Associated Occupation: Power Distributors and Dispatchers (51-8012)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Clean equipment or machinery	20
Maintain consistent production quality	50
Maintain equipment service records	85
Maintain or repair industrial or related equipment/machinery	39
Maintain production or work records	19
Monitor production machinery/equipment operation to detect problems	27
Perform safety inspections in manufacturing or industrial setting	33
Prepare safety reports	60
Read technical drawings	7
Understand technical operating, service or repair manuals	6
Use hand or power tools	2
Use high voltage apparatus	76
Use pneumatic tools	66
Use pressure gauges	76

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 93

Focus Occupation: Power Plant Operators (51-8013)

Associated Occupation: Power Distributors and Dispatchers (51-8012)

Tools and Technologies	Exclusivity
Computers	1
Industry specific software	1
Information exchange software	1
Power generation control equipment	40

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.